

CLAIMS

1. A recoil pad, particularly for firearms, which can be fixed detachably to the stock of a rifle, comprising a plastic base and a rear member made of deformable material, which is suitable to dissipate the energy transferred to the shoulder by the recoil of the firearm upon firing, wherein said rear member is rigidly coupled to said base so as to form a monolithic body wherein said rear member has a deformability that can vary according to the degree of absorption of the recoil energy that one wishes to give to the recoil pad.
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2. The recoil pad according to claim 1, wherein at least said rear member is made of polyurethane gel or polyurethane-based gel.
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3. The recoil pad according to claim 1, wherein said base is made of high-density polyurethane gel or polyurethane-based gel.
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4. The recoil pad according to claim 1, wherein said rear member is rigidly coupled to said base by pouring into a molding cavity that is contoured like the shape to be given to the recoil pad.
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5. The recoil pad according to claim 1, wherein it is manufactured in a contoured molding cavity by first pouring gel with variable densities according to the degree of absorption to be given to the butt plate and then high-density gel, which forms said base.
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6. The recoil pad according to claim 1, comprising an outer protective coating that is applied to the outer surface of at least said rear member by coating the mold cavity before pouring the material into said molding cavity.
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7. The recoil pad according to claim 1, wherein it can be fixed detachably to the rear face of said stock by snap-acting fixing means.
8. The recoil pad according to claim 7, wherein said snap-acting means comprise at least one pin provided with a fixing member that can engage in the rear part of the stock, said pin having a mushroom-shaped head that is suitable to engage by snap action and detachably an elastic means that is comprised within said base.
9. The recoil pad according to claim 8, wherein said mushroom-shaped head is provided on a shoulder that protrudes from a cylindrical body of said pin, said mushroom-shaped head protruding from the rear face of the stock when said pin is rigidly coupled to it.
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10. The recoil pad according to claim 9, wherein said mushroom-shaped head is suitable to be accommodated in a hole formed in said base and comprising said elastic

means.

11. The recoil pad according to claim 10, wherein said elastic means comprises a fork-shaped spring, which comprises a substantially circular portion which ends with two arms, said spring being accommodated in a seat formed inside said base at each hole, 5 so that said arms face the hole so that said mushroom-shaped head engages said arms of the fork-shaped spring.
12. The recoil pad according to claim 7, wherein said snap-acting means comprise a contoured member that protrudes from the base and has an enlarged head that is suitable to be inserted in a corresponding seat formed in the stock of a rifle.
- 10 13. The recoil pad according to claim 12, wherein said enlarged head is provided with an angular chamfer to facilitate insertion in the seat of the stock.
14. The recoil pad according to claim 12, wherein said contoured member and said enlarged head are formed monolithically with said base.
15. The recoil pad according to claim 12, wherein the outer surface of said rear member is contoured so as to adapt anatomically to the shape of the shoulder, particularly of the region of the pectoral muscles and of the deltoid muscle.
16. A method for manufacturing a recoil pad particularly for firearms, comprising pouring, into a shaped molding cavity, first a gel with variable densities, according to the degree of absorption that one wishes to give to the butt plate, and then high-density gel, 20 which will form said base.
17. The method according to claim 16, comprising the application of a protective coating to the surface of the mold cavity before pouring the material into said mold cavity, so that the outer surface of at least said rear member is coated by a protected coating.

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